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To "Steve Cowan" <scowan@dynamac.com>, "Dave Anderson" <danderson@dynamac.com>
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bcc
Subject ( 9087989 ) Solar Energy powering green remediation of Vapor Intrusion of Homes Affected by Delfasco Forge Site in Grand Prairie, TX

## ★Vapor Intrusion Remedy - Grand Prairie, Texas

Solar Panel on Roof of Home

9087989

Vent for Fan Under Pier and Beam Home

Homes located on or near the former Delfasco Forge Site in Grand Prairie, Texas are using solar powered fan systems to reduce releases of hazardous soil vapors. The type and location of the systems are dependent on the construction type of the building. Most of the homes are pier and beam construction with crawl spaces under the living areas. These homes will have the systems installed to evacuate the air in the crawl spaces thus preventing the build up and migration of trichloroethylene (TCE) into the homes. TCE has been found in the groundwater under 65 acres of a residential neighborhood adjacent to the site. Homes sitting on slabs will require a subsurface mitigation fan system incorporating laterals and sumps. The solar powered fan systems will be utilized when appropriate, to reduce the burden on the home owner and reduce the energy consumption. Installation of these systems can be completed in from one to two days for pier and beam houses, and on a slab house in 7 to 10 days. This action is effective, practical, relatively inexpensive, and addresses human health and environmental issues. Specifications for the vapor intrusion remedy: Solar-Powered Vent Fan and Exhaust Fan for Slab Foundation.

link to Region 6's Land Revitalization webpage:

http://www.epa.gov/region6/6sf/revitalization/